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[PPT] [Optimisation for Computer Vision](#)

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 ... Statistical **shape model**. **Model** of image structure at each point. ... Need to search for local **match** for each point. **Model**. ... Correlation. Statistical **model** of profile. ...

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 ... new image • Require: – Statistical **shape model** – **Model** of image ... to search for local **match** for each ... edge – Correlation – Statistical **model** of profile ...

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 ... Our tests showed that the **matching** procedure is quite ... 2: **Shape** space spanned by the average object and ... 1: Medial **model** computed from a population of **training** ...

www.cs.unc.edu/~styner/docs/CVPR2001_poster.ppt - [Similar pages](#)

[Shape Similarity](#)

 ... the entire **boundary** of one of the **models** (as is ... see Section gif), with edges allowed to **match** whenever their ... of easily computed features of the **shape**, such as ...

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[PDF] [Establishing Point Correspondence on Training Set Boundaries](#)

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 ... **Models**. Occasionally diverges to incorrect solution due to limitations of both the **shape** and image **model**. [3 ... **Matching shapes**. In ...

www.vrvis.at/TR/2003/TR_VRVis_2003_040_Full.pdf - [Similar pages](#)

[PDF] [Comparing Active Shape Models with Active Appearance Models](#)

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 ... **match** (lowest value of $f(g,s)$). This is repeated for every **model** point, giving ... We then update the current pose and **shape** parameters to best **match** the **model** ...

www.bmva.ac.uk/bmvc/1999/papers/18.pdf - [Similar pages](#)

["Active Shape Models - Their Training and Application" citations](#)

 ... **training shapes**, The mean **shapes** are initialized ... stereotactic coordinate system, The **model** elastically deforms ... which are generated by **matching** local intensity ...

iacl.ece.jhu.edu/projects/gvf/gvf_cite/asm_cite_abstract.html - 101k - [Cached](#) - [Similar pages](#)

[Model to Image Fit](#)

 ... Figure 5: A **shape model** with overlaid 1D pixel profiles ... call this assumption concerning the optimal **model** points placement an image **matching** criteria ...

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 ... 3. **SHAPE EVALUATION FOR ASM** 3.1. Problems from ASM **Shape Matching** For the general problems of **matching** a **model** instance to an image, there are ...

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... LH, and Duncan, JS, "Deformable **boundary** finding in ... and interpolation for merging **shape** examples," IMAGE ... and Reiber, JHC, "Anatomical **model matching** with fuzzy ...
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[PDF] Elastic Model Based Non-Rigid Registration Incorporating ...File Format: PDF/Adobe Acrobat - [View as HTML](#)

... (a): 12 examples of brain **shapes** from a **training** set with each example a 93 point **model** of basal ... mapping of the ventricle corners; (g): mis-**matching** due to ...
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[PDF] Probabilistic Shape and Appearance Model for Scene SegmentationFile Format: PDF/Adobe Acrobat - [View as HTML](#)

... These **models** are used during an iterative contour deformation process that adjusts the position and **shape** of the contour to **match** the **boundary** of ...
www.ornl.gov/sci/ismv/pdfs/publications/gleason_probabilistic%20shape%20appearance%20model%20scene.pdf - [Similar pages](#)

Caltech CNSE - Peters - full report

... **models**: all-exemplar **models** allow better flexibility in **matching** the **shape** and orientation of ... show that the goodness-of-fit of all-exemplar **models** can even ...
www.cnse.caltech.edu/Research02/reports/peters1full.html - 17k - [Cached](#) - [Similar pages](#)

Large\bf Model-guided Segmentation of Corpus Callosum in MR ...

... applied to the corpus callosum **boundary** in midsagittal ... If **shape-matching** was applied directly to the entire ... and covariance matrices, since this **model** is simple ...
www.uib.no/med/avd/miapr/arvid/cvpr99/cvpr99_7pp.html - 49k - [Cached](#) - [Similar pages](#)

[PDF] Maximum Likelihood Shape MatchingFile Format: PDF/Adobe Acrobat - [View as HTML](#)

... [3] deforms active con- tours over a **shape** in an ... [6] use a **matching** scheme with ... sometimes create problems in other components of the active contour **model**. ...
carol.science.uva.nl/~nicu/publications/ACCV02.pdf - [Similar pages](#)

[PDF] A VARIATIONAL MODEL FOR OBJECT SEGMENTATION USING BOUNDARY ...File Format: PDF/Adobe Acrobat - [View as HTML](#)

... x pca , h x T (C(q)))|C (q)|dq, (6) F **boundary** = 1 0 g ... of 45 left brain ventricles (see also Sec- tion 2.2.2). The **shape model** changes to **match** with the ...
its1pc19.epfl.ch/repository/Bresson2004_758.pdf - [Similar pages](#)

EN256 Project : Active Shape

... normals through each **model** point to find the best local **match** for the **model** of the ... Update the pose and **shape** parameters to best fit the **model** instance to ...
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... Then, for each vertex of the **boundary** of the caudate nucleus ... to a number of problems, such as **shape matching** and indexing [18], **model**-based adaptive ...

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... systems inherently have various shaped and sized input objects, which often results in a poor **match** of the initial **model** with an actual input **shape**. ...

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 ... increasing function from the **shape**-incorrectness vs. ... Snakes: Active contour **models**," in Proc. ... 5] G. Borgefors, "Hierarchical chamfer **matching**: A parametric ...

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[PDF] A VARIATIONAL MODEL FOR OBJECT SEGMENTATION USING BOUNDARY ...

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 ... accurately and efficiently segmented by **boundary**-based active ... Combining a **shape** prior (not probabilistic) with ... in [25] a variational **model** that simultaneously ...

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[PDF] Representation and Matching of Articulated Shapes Abstract 1. ...

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 ... The desired **model**-to-image **matching** can then be found by ... First, the **shape model** is covered by a set of clusters C ... $s u(s) \cdot e / e^2 ds$, (8) and then **model** ϕe (e ...

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[PDF] Color Region Grouping and Shape Recognition with Deformable Models

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 ... artifacts can cause in- correct regions or **boundary** discontinuities in ... group of adjacent candidate regions Deformable **shape model Match** the **model** with this ...

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The Tilt Intonation Model

 ... the HMMs for each unit in conjunction with an n-gram language **model** which gives ... The **matching** algoirthm will synthesize every possible **shape** lying within ...

www.shlrc.mq.edu.au/festdoc/speechtools/c16909.htm - 20k - [Cached](#) - [Similar pages](#)

2001 Workshop on Shape-Based Retrieval and Analysis of 3D Models

 ... leading to robust performance even near subtle **boundaries**. ... is simpler than traditional **shape matching** methods that ... feature correspondence, or **model** fitting. ...

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 ... deformable registration algo- rithm for **matching** the learned ... Learning the **Shape** and Appearance Statistical **Model** 3.1 Unified ... space, $M S$ in the **shape** space, and ...

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Vision Lab

... we propose efficient algorithms to **match** two **shapes** which optimally **match** according to ... Generative **Model** Based Approaches to Motion Segmentation. D. Cremers ...
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4 Representation and self-similarity of shapes
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5 An electrostatic microactuator system for application in high-speed
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 Microelectromechanical Systems, Journal of , Volume: 11 , Issue: 3 , June 2000
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6 An algorithm for detecting roads and obstacles in radar images
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 Vehicular Technology, IEEE Transactions on , Volume: 50 , Issue: 1 , Jan. 2000
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7 A framework for automatic landmark identification using a new method of nonrigid correspondence
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8 How good are fuzzy If-Then classifiers?
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9 Segmentation, registration, and measurement of shape variation via image object shape
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 Medical Imaging, IEEE Transactions on , Volume: 18 , Issue: 10 , Oct. 1999
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10 Reconstruction of 3-D geometry using 2-D profiles and a geometric prior model
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 Medical Imaging, IEEE Transactions on , Volume: 18 , Issue: 10 , Oct. 1999
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11 The need for correct realistic geometry in the inverse EEG problem
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 Biomedical Engineering, IEEE Transactions on , Volume: 46 , Issue: 11 , Nov. 1999

Pages:1281 - 1287

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12 Description of shapes in CT images. The usefulness of time-series modeling techniques for identifying organs

Mir, A.H.; Hanmandlu, M.; Tandon, S.N.;

Engineering in Medicine and Biology Magazine, IEEE , Volume: 18 , Issue: 1 , Feb. 1999

Pages:79 - 84

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13 FDTD analysis of E-sectoral horn antennas for broad-band applicati

Reig, C.; Navarro, E.A.; Such, V.;

Antennas and Propagation, IEEE Transactions on , Volume: 45 , Issue: 10 , Oct. 1997

Pages:1484 - 1487

[\[Abstract\]](#) [\[PDF Full-Text \(124 KB\)\]](#) IEEE JNL

14 Hybrid boundary contour mode-matching analysis of arbitrarily sha waveguide structures with symmetry of revolution

Reiter, J.M.; Arndt, F.;

Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wire Components Letters] , Volume: 6 , Issue: 10 , Oct. 1996

Pages:369 - 371

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15 Scatter measured from impedance discontinuities

Kohin, M.;

Antennas and Propagation, IEEE Transactions on , Volume: 44 , Issue: 4 , Apr. 1996

Pages:532 - 538

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